

**READING MULTI-FEATURED ARRAYS**

**ABSTRACT OF THE DISCLOSURE**

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A method, apparatus, and computer program product for reading fluorescence signals from an array of chemical moieties (such as different sequence peptides or polynucleotides, for example different DNA sequences). In the method the spatial sequence of scanned locations need not be the same as the temporal sequence. For example, a later illuminated line may be spatially closer to an earlier illuminated line than is a temporally intervening illuminated line.